

POWERED BY **Dialog****Slide driving apparatus of press machine****Patent Assignee:** AIDA ENG LTD**Patent Family**

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JP 11320187	A	19991124	JP 98140516	A	19980507	200006	B

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Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 11320187	A			B30B-001/14	

Abstract:

JP 11320187 A

NOVELTY One end of a horizontal arm (25) is connected rockably to a bracket (23) provided in the frame (1A) with a fulcrum pin (24). The other end of the horizontal arm is connected to one end of the underarm (26) on one side and to one end of an inner link (22) with a coupling pin (27). The slide (28) is connected to the other end of the underarm.

DETAILED DESCRIPTION A guide with a vertical groove is formed in the central portion of the frame of the link press. A vertically movable slider (14) moves in the guide groove. One end of a link (16) is connected to the slider with a coupling pin (15) and the slider is connected to one end of a connecting rod (11) coupled to a crank shaft (9). One side of upper arm (19A) of a bell crank (19) is coupled with a fulcrum pin (18) supported to the frame and other side is coupled to the link (16) with a coupling pin (17). The forearm (19B) of the bell crank is coupled to the other end of inner link with a coupling link (21).

USE In press machine.

ADVANTAGE Provides a minute inclination degree of the under link which raises or lowers the slide, and a highly accurate product is processable. When press working the pressure is vertically effectively transmitted to the slide, without slide thrust power. Improves the durability of the metal mold. Reduces the distance between various points and enables size reduction of the machine.

DESCRIPTION OF DRAWING(S) The drawing shows a front cross sectional view of the link press.

Connecting rod (11)

Vertically movable slider (14)